

WHAT IS CLAIMED IS:

1. A wiring harness for connecting electrically between in-vehicle units, the wiring harness comprising:

a pitch ribbon cable having a plurality of bridge portions, wherein each bridge portion of the pitch ribbon cable includes a plurality of notches for defining a position of the wiring harness.

2. The wiring harness according to claim 1, further comprising:

a connector having a press-contact portion for engaging the pitch ribbon cable,

wherein the notch includes a first notch, which is penetrated by the press-contact portion of the connector.

3. The wiring harness according to claim 1,

wherein the notch includes a second notch, which engages with a first boss of the connector in case of attaching the connector to the pitch ribbon cable so that the second notch works as a positioning reference of the press-contact portion, and

wherein the first notch is disposed at a predetermined distance from the second notch.

4. The wiring harness according to claim 1,

wherein the notch includes a third notch, which engages with a second boss of the in-vehicle unit in case of assembling the wiring harness to the in-vehicle unit.

5. The wiring harness according to claim 1,
wherein each neighboring notch disposed in adjacent bridge portions is disposed in alignment with a line perpendicularly to a longitudinal direction of the pitch ribbon cable.

6. The wiring harness according to claim 1,
wherein each notch disposed in one bridge portion is disposed in a longitudinal direction of the bridge portion at predetermined intervals.

7. The wiring harness according to claim 1,
wherein the pitch ribbon cable connects to an electric circuit disposed in the connector for driving a control actuator with multiplex communication, the actuator controlling a switching door in a vehicle air-conditioner.

8. The wiring harness according to claim 2,
wherein the first notch is provided by a precut portion for working as an insulation wall in such a manner that the precut portion arises in a case where the first notch is pressed into the press-contact portion so that the arisen precut portion separates between the press-contact portions.

9. The wiring harness according to claim 8,
wherein the precut portion has a pair of horseshoe shape or C-shape precuts, each back of which faces each other so as to sandwich the press-contact portion.

10. A wiring harness for connecting electrically between in-vehicle units, the wiring harness comprising:

a pitch ribbon cable having a plurality of bridge portions and a plurality of lead wires; and

a connector having a first boss and a press-contact portion, wherein each bridge portion is disposed between two lead wires, and includes first, second and third notches,

wherein the third notch is engaged to a second boss of the in-vehicle unit in case of assembling the pitch ribbon cable to the in-vehicle unit so that layout of the wiring harness assembling to the in-vehicle unit becomes definite,

wherein the second notch is engaged to the first boss of the connector in case of attaching the pitch ribbon cable to the connector, and

wherein the first notch is engaged to the press-contact portion of the connector with using the second notch as a positioning reference so that positioning of the pitch ribbon cable attaching to the connector becomes definite.

11. The wiring harness according to claim 10,

wherein the lead wire connects to the press-contact portion with using a press-contact method.